ES Warmups Week 21

Match each description with the correct term.

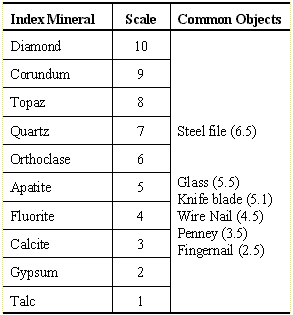
|  |  |  |  |
| --- | --- | --- | --- |
| 1. | a useful mineral that can be mined at a profit | a. | color |
| 2. | a mineral that is rare and beautiful | b. | ore |
| 3. | ore that is a source of iron | c. | gem |
| 4. | characteristic of a mineral that is not helpful in identifying it | d. | pyrite |
| 5. | mineral also known as fool’s gold | e. | hematite |

Listed below are the 5 statements about rocks and minerals. Choose the term listed in parentheses that will correctly complete the sentence.

|  |  |
| --- | --- |
| 1. | Minerals that break in a jagged, rough way exhibit (**cleavage, fracture**). |
| 2. | Minerals are (**organic, inorganic**) solids. |
| 3. | The two most common rock-forming elements on Earth are silicon and (**oxygen, aluminum**). |
| 4. | Bauxite is the ore for (**iron, aluminum**) |
| 5. | Minerals are formed by (**manmade, natural**) processes. |

Match each description with the correct rock type.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | formed when rocks are weathered and eroded, and then compacted and cemented together | a. | igneous |
| 2. | formed by heat and pressure | b. | sedimentary |
| 3. | formed by melting and cooling | c. | metamorphic |
| 4. | formed from magma |  |  |
| 5. | formed from sediments |  |  |

Use the Mohs scale to answer the following questions.

1. What mineral can scratch fluorite, but can’t be scratched by quartz?
2. What mineral can be scratched with a wire nail, but not a penny?
3. What mineral could be used to scratch steel?
4. What is the sofest mineral on the Mohs scale?